Does rye make good fodder? Rye for fodder makes probably the best early feed that can be grown, but care must be taken to cut it before it gets

ripe or stock will not relish it. Can fruit trees be grown successfully

in wooden troughs? Very prolific dwarf trees may be produced in wooden troughs in the open air. As in pot culture, so in these troughs, the roots are restricted and an early fruitful condition secured. Farmers who have plenty of land have no need for adopting this mode of culture, but persons in cities have furnished considerable fruit in this way. In latitudes where apricots and nectarines have not time in ordinary orchard culture, an arrangement garden fence has been introduced with profit.

In what proportions are these troughs or boxes made?

They are usually made with twelveinch-wide boards for sides and bottom, nailing the sides to the bottom to guard against roots protruding into the soil beneath; these may be of any length; the plowed under, and the plow, harrow and neglect; they were simply incompetent, trees are generally set about three feet

Can anything be done at this season to assist in bringing back a good even of the land will increase by these means; and the fire extinguished as soon as was growth of grass to a lawn that has become

Yes; give it a top dressing of good stable manure at once. Let it be well laid all over the surface, and have a care that the manure is well rotted. As occasion offers during the winter it should be broken up and manipulated with an corn. iron rake. The object is to distribute it evenly over the entire surface, so that it will settle down and moisten the good roots. When spring opens the rough strawy portions, if any are left, should with the proper keeping of the surface. Why are not liquid manures more gen-

erally used on farm crops? The expense of their application on a large scale prevents the extensive use of liquid manures. Their value in floral cultivation is acknowledged by all. In the deeper every time, the benefit to sucthe evidence is not only indefinite; it is the pot culture of plants, where the ceeding crops will be equal to a coating contradictory. If half the rumors about amount of soil is limited, when judiciously applied liquid manure is of vast service. Much harm, however, may be occasioned by its indiscriminate use. Healthy and well rooted plants, such as are well supplied with hungry roots but grow slowly for want of nutriment, as orange and lemon trees, etc., for years in the same pot or tub, are greatly benefited by its urged by this member. In green ma- one time there was a current belief that a application.

For what crops are ashes specially beneficial as a fertilizer?

Ashes are among the best of fertilizers for onions. For this crop they should be little before blossoming. It should be first designed it believing that it was the cultivator then run between them, or covered. This process enables the land else hoed by hand. Applied to Indian to be quickly supplied with a large corn, a handful to each hill, immediately amount of valuable plant food in the vines in the garden they are also desirable. of guano. Regarding artificial manure borne the testing load of six locomotives Ashes applied to grass lands just after for the corn crop, the member referred to will doubtless be brought as evidence of the first crop of hay has been taken off is Professor Cook's experiments; the desaid to have a fine effect.

Housekeeping Department.

CEMENT FOR GLASS. - Take quicknish; grind and temper well together, used; that any other fertilizers than potand it is ready for use.

Doors CREAKING .- To prevent the creaking of doors apply a little soap to the hinges, or take lard, soap and black lead, equal parts, and apply.

COVERING FOR JARS. - A good water-

·To CLEAN GOLD LACE.—Gold lace is easily cleaned and restored to its original brightness by rubbing it with a soft brush dipped in roche-alum burnt, sifted to a very fine powder.

INK STAINS.—The best means to rematerial is to immerse the spot in milk thick.

VERMICELLI PUDDING. - Boil two ounces of vermicelli in a pint of new milk till soft, with a little cinnamon; when cold add a quarter of a pint of good cream, five yolks of eggs, a quarter of a pound of butter and a little sugar;

MILK LEMONADE. — A pound and a half of loaf sugar dissolved in a quart of boiling water, with half a pint of lemon juice, and a pint and a half of milk added, makes a capital drink.

sugar, one cupful of butter, five cupfuls of flour, one cupful of milk, five eggs, one teaspoonful of soda, two of cream tartar; bake in thin sheets, spread with currant jelly, and roll when cold, or in and stir as thick as for pound cake, and round, thin cakes, and spread, laying boil three hours. Sauce made of egg, the favorite solution of the Presidential three or four cakes one upon another.

QUINCE CAKES. - Boil quinces till soft enough to pass a knife through, drain the fruit on a sieve, peel them, scrape and extract the core; pass the pulp through a sieve, and boil with an equal quantity of powdered sugar till the mass easily separates from the saucepan. Put into molds, and keep for some days in a

STAFFORDSHIRE BEEFSTEAK. - Beat them a little with a rolling pin, flour and season, then fry with a sliced onion of a fine light brown; lay the steaks into a stewpan and pour as much boiling water over them as will serve for sauce; stew them very gently half an hour and add a

spoonful of catsup before serving. APPLE MARMALADE. - Take four pounds of cooking apples; pare and core them, put them in an enameled saucepan with about a quart of sweet cider and two pounds of castor sugar. Boil them until the fruit is quite soft. Squeeze it through a colander, and then through a seive. Put away in jars covered with oiled paper and made perfectly air tight.

Very Warm.

One of the United States marshals at Boston-a man whom all citizens of that small town will remember-was a wit of dry and quaint sort. When on his death-bed one of his friends appeared to comfort him. "Well, colonel," said the sick man, despondently, "I'm going. I sha'n't be alive an hour from now.". The colonel felt of the invalid's feet. "Nonsense," said he, "your feet are warm. No man was ever known to die when his feet were warm." "Ugh!" said the dying man, sharply. "What about John Rogers!".

Bogus Silver Plated Ware. -It has soiree. been said that three-fourths of all the professed triple xxx, double refined, etc., plated silverware is but a sham; simply white metal with the slightest kind of a washing of poor silver. Moral-Don't are wealthy, to compel them to support buy'it, even though manufacturers claim he:. She was once the belle of her vito have taken first premiums at all the cinity, and after a short time of married over their eyes are known as the "What's

FARM, GARDEN AND HOUSEHOLD. FARM, GARDEN AND HOUSEHOLD.

Raising Large Crops of Corn.

S. J. Crane, Vineland, N. J., who represented himself as an honest inquirer ing the crude chemicals?

Indian corn the soil must be fattened, of this kind on the sheltered side of a especially a soil that has been impover- hose, a steam pump with steam up was Chemists write on agricultural topics.

rapid will be the growth and the more again in a month or six weeks, and still again in the early winter, plowing a litof manure. The more finely adhesive it are well founded, the bridge was from soils are pulverized the more readily they the first utterly unfit for its purpose. It appropriate and impart to the plant the is reported that for two years after it was nutriment supplied them, whether it is built, the company kept false works gained from the atmosphere or from fer- under it to give it an appearance of tilizers applied; consequently the policy safety. Residents on the line say that of frequent plowing as a preparation for the insecurity of that bridge has been the growth of a large corn crop was a matter of common talk for years. At nuring of laud he advised the plowing in pier was to be built to sustain it at its of rye as very advantageous. The grain center, and there appears to have been a should be plowed in about the time that the rye has attained its full growth, but a strewed along the rows, lengthwise, and rolled down flat first, so as to be readily before a rain storm or just before a crop organic and mineral elements gained, is hoed, ashes give good returns. For nearly equal in value to a good dressing ductions from the results gained by him were that the muriate of potash, applied at the rate of one hundred pounds per be proved it will go a long way toward acre upon soil of an excellent character, lime, whites of eggs and old thick var- is very effective and may be profitably ash salts can be used only at a loss upon ferior quality. The experiments of Prof. By Tom Hughes, that earnest, honest, strong a corn crop grown upon soil in good condition; that even barnyard manure may be used to excess, and therefore unprofit- this feature of the case. His apparatus, ably, when the soil has been brought by afterward used by a commission appointprevious good culture and fertilizing up ed by the government to test iron and to a certain standard of productiveness; proof paper for covering jars used in that the direct application of barnyard preserving, etc., may be made by brush- manure to the corn crop is not so effecing over the paper with boiled linseed tive as applications well incorporated oil and suspending it over a line until with the soil; that a decaying clover sod furnishes abundant ammonia for a full crop of corn, and, finally, that a pre- peratures may be summarized. The ex- once. viously manured clover sod is the best of

all preparation for a corn crop.

ounces of almonds in rose or orange move ink stains from linen or any white flower water; beat the whites of eight eggs; then mix with two pounds of sugar and keep it there until the ink disapsifted with the almonds to a paste; lay a pears, changing the milk when it gets sheet of paper on a tin and put the mixture on with a spoon.

To CLEANSE THE HEAD .- A dime's worth of pulverized borax, dissolved like a steady weight. The experiments thoroughly in a pint of water. Cleanse are yet incomplete, and it is not fully mean, cowardly attacks made upon me and my the head, especially the partings, once a known how far each of the impurities of week, afterward rinsing with cold water. iron-such as sulphur, phosphorus and Will keep the head very clean, and im-silicon—takes its share in thus reducing part a glossy look to the hair, especially its power to resist a blow. But acceptif each application is followed by a vig- ing these valuable experiments as far as orous brushing.

HARRISON PUDDING .- One and onehalf cupfuls of chopped suet, one cupful of molasses, one and one-half cup-JELLY ROLLS.—Three cupfuls of fuls of chopped raisins, one cupful of sour milk, one teaspoonful of soda, one teaspoonful of cream tartar, or two teaspoonfuls of baking powder, sifted through the flour thoroughly; spices, sugar and cream, or any other rich re-

APPLES IN RICE.—Scoop out the cores ing to it apricot marmalade and four the questions arising in the progress of der of rice and marmalade and bake it.

To Get Rid of Quack Grass and Thistles.3

To destroy quack grass of any of the different species to which this term is applied, the ground should be plowed and harrowed thoroughly and the roots picked off the surface. Any left will grow again. Potatoes, corn, beans or other hoed crops should be grown and kept cultivated and weeded thoroughly. There will be little quack left after three clean hoed crops have been taken. Thistles may be destroyed by plowing lightly, so as to cut the stem but not the roots, and then growing crops that are cultivated continually.

He Didn't Want to Embarrass Things. "I would like to be present at your party," replied a stylish Chicago tailor to a fashionable society lady, "but I do

not think it would be best.

"And why not, pray?" inquired she. "Well, I'll tell you," said the tailor, growing confidential; "I'm afraid if I should attend I should meet so many young fellows who owe me money for the clothes they have on that it would cause embarrassment, and perhaps mar the

happiness of the occasion. The woman grew thoughtful, and seemed to lose interest in her prospective

A married woman, now an inmate of a poornoase in Illinois, has brought suit against her father and brother, who life was deserted by her husband,

THE ASHTABULA DISASTER.

ance Discussed.

pound to the farmers' club the agricultu- extent contradictory. There are three ral conundrum, viz.: Why do not some points of importance: (1) Whether it of conjuring up unintelligible and non- known faults in its construction; (2) practical formulas for making fertilizers whether the iron used in the bridge was which will not return the proprietor as of good quality; (3) as to reprehensible much money as he expended in purchas- neglect in putting out the fire. On the last of these points the inquiry is likely It requires not only corn formula, but to be thorough. A great deal of feeling a vast amount of hard-fisted industry, to has been aroused upon this point at raise a satisfactory growth of corn. Be- Ashtabula. The witnesses testify to the fore one can produce a bountiful crop of abundance of means for extinguishing fire. There was plenty of water and ished by injudicious management, at hand, and finally a fire brigade was It is a tedious process to improve land of height. The excuses made for neglecting ordinary fertility so that it will yield one to couple the hose and turn on a stream hundred bushels per acre. If the soil is of water are lame and unsatisfactory. thin or run down, it must have large It is not necessary to ascribe an indifferquantities of barnyard manure worked ence or a malice that would be fiendish in; clover or maize, or both, must be to the men who are responsible for that roller used to turn up, tear in fragments and lost their wits in the emergency. It and crush to fine atoms the entire seed is not certain that any lives could have then, when it has been brought up to the point of yielding forty or fifty bushels of shelled corn it will be safe to ap- were buried in the wreck were not dead ply chemical fertilization; for every dollar when the firemen concluded not to exexpended for the required elements will tinguish the flames. The fact that cries be the means of producing more than were no longer heard from the wreck thrice its value in the increased yield of seems to be deemed satisfactory on this point by some of the witnesses; but it A member added that sufficient plowing certainly is not proof that there was no enhances the fertility of the soil in a life there. Mr. Lyons, one of the surgreat degree. Especially is this true vivors, believes that many lives could with cornfields. The more frequently have been saved if water had been the ground is stirred, if done carefully, promptly turned on. In any event the be removed, otherwise it will interfere so as not to injure the roots, the more early extinction of the fire would have been of immeasurable service in enabling abundant the yield. Farmers who have the dead to be identified. The excuse tried it affirm that if land is plowed as is that the rescuers were wholly busied soon as a crop of grain is taken off, then in helping the living, and spared no effort in assisting the sufferers.

As to the construction of the bridge, dispute as to its safety between its archi- found amusing and entertaining. Besides tects when it was erected, the one who weakened by a change of plan. All this needs to be thoroughly sifted before the blame can be laid where it belongs.

In respect to the iron used for constructing the bridge, the testimony is meager. The circumstance that it had is some reason for believing that part of the train was off the track. If this can explaining the sudden breaking of the iron. If it cannot be proved, the in- ary number, which will have ference must be that the iron was of in-R. H. Thurston of the Stevens Technological Institute throw much light on steel, has revealed many peculiarities of the metal when under strain, that have previously been little noticed. It would take too much space to present here the technical details, but a few of the results periments rather point to than prove the assertion, that if the iron is of the best, low temperature does not render it more liable to break with either a quick blow Macaroons.—Blanch and pound eight or a steady weight. If it is not of the best, it will still bear a steady weight (such as six locomotives) quite as well at low temperatures as at moderate ones, but when exposed to a cold near zero of Fahreuheit it will yield more readily to tute their honor, pervert truth, and pact of a moving railroad train on the rails is far more like a sudden blow than they go, one fact seems unquestionable: no railroad bridge made of inferior iron is safe in cold weather. The question must be pressed home: Was or was not cines.

of iron ?- New York Tribune.

Washington Gossip. A Washington letter says: Just now complication is to hold a new election next fall, and to allow the president of the Senate, whoever he may be after the and pare very neatly half a dozen good fourth of March, to administer the office sized apples; boil them in thin, clarified ad interim. This is to be brought sugar; let them imbibe the sugar, and be about, according to the gossip of the careful to preserve their form. Make a lobbies and cloak-rooms at the capitol, marmalade with some other apples, add- by the Democrats in the Senate debating ounces of rice, previously boiled in the count until the clock strikes the milk, with sugar and butter, and the hour of noon on March 4, when it is yolks of two or three eggs; put them into claimed the whole operation of counting increasing in sale despite the base lies cona dish for table, surround it with a bor- the votes necessarily ceases. Then the its new members and elect a presiding officer. By the time this is accomplished retary of State announcing that there is medicines represent them to be. Among the a vacancy in the office of President of the United States. The newly elected president of the Senate will take the oath of office before the chief justice, who will, of course, be in waiting with his gown fully say millions, have taken my medicines on, and he will then jump into a car- and have been cured, no one has ever received riage, drive to the White House, and set the wheels of government in motion.

The feasibility of this method of settlement is asserted by the Democrats, who say that unless the Republicans should again set up the abandoned claim of the right of the president of the Senate to count the votes there is no way in which a declaration of the election of Haves can be arrived at against their opposition. The Senate has no rules to limit debate, and now that the joint 50 cents. rules are abrogated, there would be nothing, they think, to keep them from talking day and night to kill time and pre- The great remedy for consumption. This well vent the completion of the count.

when undressed, or in other words the dressing costs four cents, and a nine pound four ounce fowl, dressed, will weigh a pound and a half less when un-

The hats which the ladies pull down the matter with you?"

A Western Case.

A certain Major Fletcher, temporarily with a wife and family but of a rather lic. Mr. Powers, of the Grand Central Hotel, with a wife and family but of a rather lic. Mr. Powers, of the Grand Central Hotel, immoral strain of life, seduced a re- Broadway, New York, is the pioneer in reducing NEWSPAPER The testimony concerning the Ashta- spectable girl named Lizzie Brown, whom prices. Others have since followed suit, still after the truth, asked permission to pro- bula calamity is confused and to a certain he carried away to St. Louis. There she this is the only first-class hotel in the city where gave birth to a child, and there Fletcher one can stop at \$2.50 and \$3.00 a day. deserted her, leaving her at a hotel, withof the members of thought tell how to was suspected beforehand that the bridge out money or friends. Through shame raise a large crop of Indian corn instead was weak, the suspicion arising from she concealed her name, and it was only after the most anxious search that her relatives discovered her and brought her home, ruined in character and broken in health. An indictment was brought by the grand jury of the county against her betrayer, and when the case came on for trial the girl and her brother appeared in court as witnesses. Young Brown armed himself with a revolver, but did not appear to have made up his mind to commit any violence. Howsoever that may be, after he had sat in the D. C.. April 23, 1875.—Messrs. Helphenstine & Bentley—Gents: For the past seven years my there before the fire had reached its court and heard a motion for a change of venue made, argued and granted, the sense of the infamous wrongs that his sister had suffered and the inadequacy of manent cure was the result. Wm. H. Crook. the satisfaction which the law's delays executive clerk for President Grant. were frustrating, came over him vividly. and he walked out into the clerk's room, making a great effort to control his emotion, and declaring his intention of getting home at once. He had never seen bed. Little by little the productiveness been saved if water had been turned on Fletcher, who at the moment walked into the same room, and Brown, suspecting who he was, walked over to him and abruptly inquired: "Is this Major Fletcher?" "Yes, sir," was the answer, and the speaker was instantly stretched on the floor with a bullet in his brain. and was dead within three minutes. His murderer was arrested, as a matter of form, and was straightway set at liberty under \$5,000 bail.

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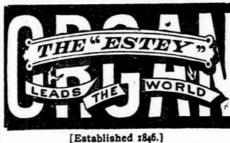
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The object of the AMERICAN NEWSPAPER DIRECTORY is not very different from that of the well-known mercantile agencies which exist in all leading cities. The latter keep their subscribers informed of the character, habits, reputation, business ability and financial strength of persons with whom they are likely to have bu-iness transactions, enabling them thereby to so regulate these transactions as to secure probably profitable dealings, or to avoid such as will likely to result in ultimate annoyance or loss.

The DIRECTORY conveys the best obtained information concerning the character and value of newspapers. Its patrons are the men who places, or else take a bottle of Johnson's Anospend money in advertising (a large and important class), and it is from them that the publishers of the DIRECTORY, in their capacity of advertising agents, derive their profit and sup-port. It is to them and not to newspaper pub-

lishers that they owe the duty of faithful service. The theory that advertising agents are the servants of newspapers, and should advance their interests first, is annihilated by the system long adopted by publishers, almost without exception, of ignoring any idea of protecting the so-called agency and maintaining the right to appoint comretitors in the same field without the consent of those already occupying it.

AS THE MOST IMPORTANT PORTION OF THE IN-FORMATION SUPPLIED BY A MERCANTILE AGENCY CONSISTS OF A REPORT OF THE FINANCIAL STRENGTH OF THE PERSON ABOUT WHOM INFORMA-TION IS ASKED, SO IS THE CIRCULATION OF A NEWS PAPER GENERALLY CONSIDERED THE POINT UPON WHICH INFORMATION WILL BE OF MOST VALUE TO THE ADVERTISER. There are, among merchants, some who deny

the right of a mercantile agency to inquire into their private affairs, and who decline giving any information upon which a report may be based but the mercantile agency does not, on that account, neglect to make a report. It gets from other sources the best obtainable information, and upon this its estimate is based, although it cannot be denied that the reticence of the party in question is almost always attributed to knowledge upon his part that a true report would be prejudicial to his credit. The report made is, therefore, likely to be less favorable than it might have been had the information asked for been cheerfully and frankly furnished. So also there are among newspaper publishers some who deny the right of any one to inquire into their affairs. It has been the policy of the publishers of the DIRECTORY to omit all information about circulation whenever plainly and unequivocally commanded to do so. In such cases the matter is disposed of by annexing to the reports the words "objects to stating circulation." In every case where the above command is not plainly and unequivocally conveved to the publishers of the DIRECTORY, they make up their report in the same manner pursued by the mercantile agencies in estimating the financial strength of a merchant, and, like

veal the sources from which they have obtained their information. It is undoubtedly true that no publication of this character is privileged, and that in an instance where a merchant or a newspaper i seriously injured by an unjust or materially in correct report the courts furnish a remedy, and both mercantile agency or Directory publisher will be held responsible for actual damage shown to accrue to an injured party from a report proved upon trial to have been erronres.

the institutions referred to, they decline to re-

This is a liability which the publishers of the DIRECTORY cannot escape; it is therefore one which they hold themselves at all times ready to meet.

The greatest possible care is taken to make the DIRECTORY reports correct. Every publisher is applied to very systematically. All information is taken in a form which excludes any but definite statements which cannot be misunderstood, while every effort is made to protect honest publishers against such as would resort to lying or perjured reports to gain an unfair advantage.

It has rarely been found that a cause of comelsint has arisen against any report which has ppeared, in either of the seven annual volumes the DIRECTORY already issued, which has not resulted either from the neglect of a publisher to respond to appeals for information or an effort on his part to substitute other and different information instead of answering the plain questions upon the blanks furnished for the purpose from the DIRECTORY office.

The Directory estimates the circulation of no newspaper until after an application has been made to its publisher for the actual figures, and sufficient time allowed to clapse for the statement to come to hand had any such been forwarded.

It is believed that no publisher of a newspaper expresses dissatisfaction with the circulation ac-corded his journal in the AMERICAN NEWS PAPER DIRECTORY who does not desire to impress the public that his edition is greater than it i in reality.

Publishers of newspapers who desire to furnish the Directory with a statement of circulation are supplied with a blank which takes for granted the following

Every publisher is either willing or unwilling to have his circulation published in the Direc-If any publisher is unwilling to have his circu-

tory owe it to their patrons to state why the information is withheld. This they do by inserting the words "Objects to stating circulation. THIRD. If willing to have his true circulation given, publisher will desire that none but true circula-

lation published, the publishers of the Direc-

tions shall be published for competing journals. FOURTH. That none but true circulations may be published, it is necessary that none but explicit statements be accepted from any.

A statement intended to convey explicit information must be so worded as to prevent the possibility of its meaning being misconstrued.

may be accepted from others, every publisher will see the necessity of giving his own in re-u-lar form, if at all. If one is allowed to vary the form a little, another may vary it more. none vary it, all will be fairly treated

That none but true and explicit statements

SEVENTH. The blank is entirely unobjectionable to those who desire to furnish full and explicit informa-

From persons who are not willing to furnish an explicit statement, any other would be worse than useless.

To persons who decline making any state-ment, the form adopted is as unobjectionable

If a publisher makes no statement of circulation, it is fair to presume that it is from indiffer-ence or neglect, neither of which on his part will excuse the publishers of the Directory for imperfections in their book. For all such cases the editor of the Directory has instructions to estimate the circulation from the best information open to him

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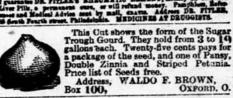
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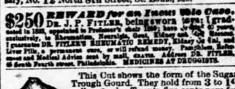
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